



10-607126

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PATENT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent Number: 6,796,418 B1

Issued: September 28, 2004

Name of Patentee: James J. Harrison, Bernville, PA (US);

William J. Werner, Bedford, OH (US)

Title of Invention: ADDITION OF INTERMEDIATE SUPPORTS FOR  
SPIRAL CONVEYORS

Commissioner of Patents and Trademarks

Washington, D.C. 20231

ATTENTION: Decision and Certificate of Correction  
Branch of the Patent Issue DivisionCertificate  
DEC 27 2004

of Correction

REQUEST FOR CERTIFICATE OF CORRECTION OF PATENT  
FOR PTO MISTAKE (37 CFR 1.322(a))

1. Attached in duplicate is Form PTO—1050 with at least one copy being suitable for printing.

*NOTE: Form PTO—1050, using the column and line number in the printed patent, should be used exclusively regardless of the length or complexity of the subject matter. MPEP § 1485.*

*NOTE: The patent grant should be retained by the patentee. The PTO does not attach the certificate of correction to the patentee's copy of the patent. The patent grant will be returned to the patentee if submitted. MPEP § 1485.*

2. The exact page and line number where the errors occur in the application file are:

*NOTE: This information should be identified in this request, however, on Form PTO—1050, only the column and line number in the printed patent should be used. MPEP § 1485.*

Although the examiner requested new formal drawings with the notice of allowability, and formal drawings were timely submitted, as shown on the enclosed papers and postcard, the patent was issued with the original rough drawings.

A certificate of correction is requested to place the corrected formal drawings with the patent.

3. Please send the Certificate to:

Name: Thomas M. Freiburger

Address: P.O. Box 1026

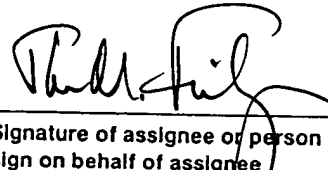
Tiburon, California 94920

*Complete if Applicable*

\_\_\_\_\_  
Signature(s) of patentee(s)

or

\_\_\_\_\_  
Type or print name of assignee

  
\_\_\_\_\_  
Signature of assignee or person authorized to  
sign on behalf of assignee

☐ Assignment recorded on

Reel \_\_\_\_\_

Frame \_\_\_\_\_

☐ Recordal of assignment attached

Thomas M. Freiburger

(Type or print name of authorized person  
signing)

Attorney

\_\_\_\_\_  
Title of authorized person signing

NOTE: "A certificate of correction, under 35 U.S.C. 254, may be issued at the request of the patentee or his assignee." 37 CFR 1.322(a).

(Request for Certificate of Correction—PTO Mistake [14-1]—page 2 of 2)

DEC 27 2004

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.  
(Also Form PTO-1050)

## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 6,796,418 *B1*  
DATED : September 28, 2004  
INVENTOR(S) : James J. Harrison, Bernville, PA (US);  
William J. Werner, Bedford, OH (US)

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

The attached formal drawings should replace the drawings included in the issued patent.

MAILING ADDRESS OF SENDER: Thomas M. Freiburger  
P.O. Box 1026  
Tiburon, California 94920

PATENT NO. 6,796,418

No. of additional copies



Burden Hour Statement: This form is estimated to take 1.0 hour to complete. Time will vary depending upon the needs of the individual case. Any comment on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

DEC 27 2004

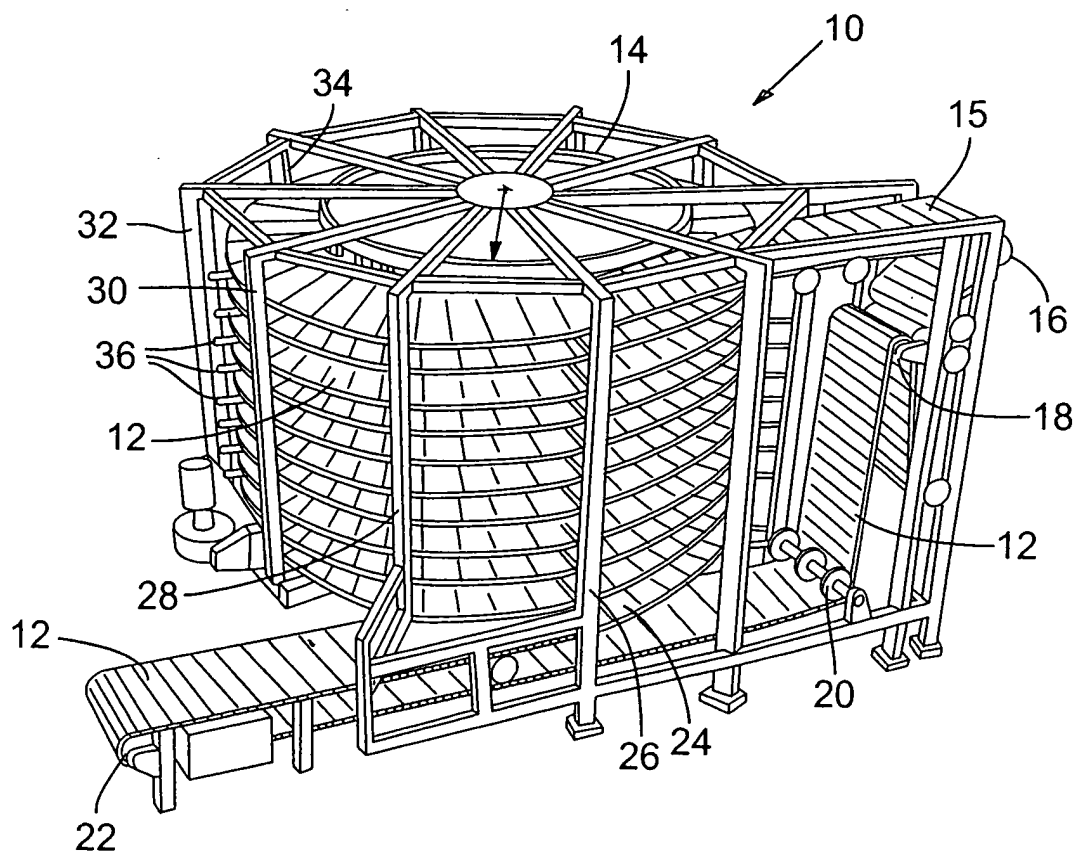


FIG. 1 Prior Art

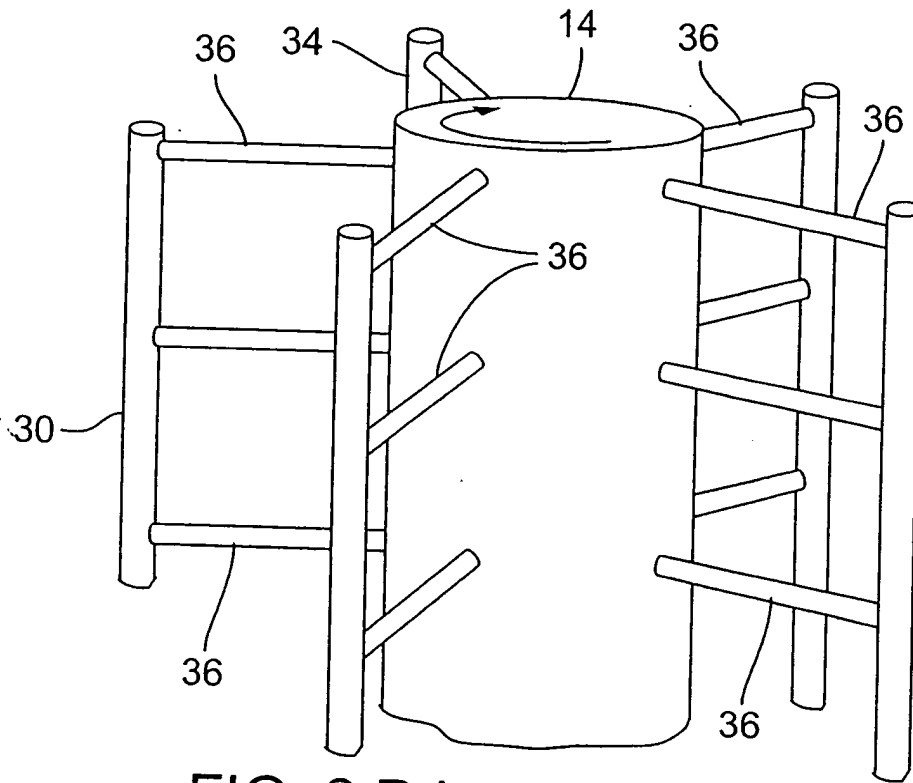


FIG. 2 Prior Art

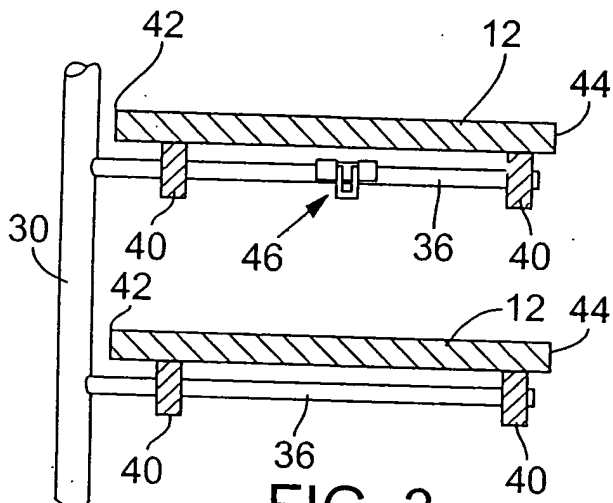


FIG. 3

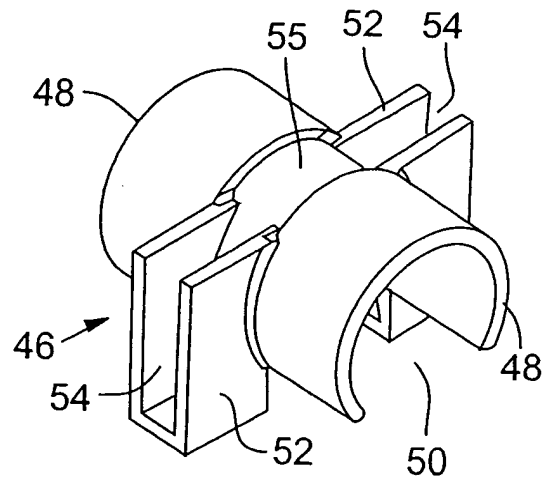
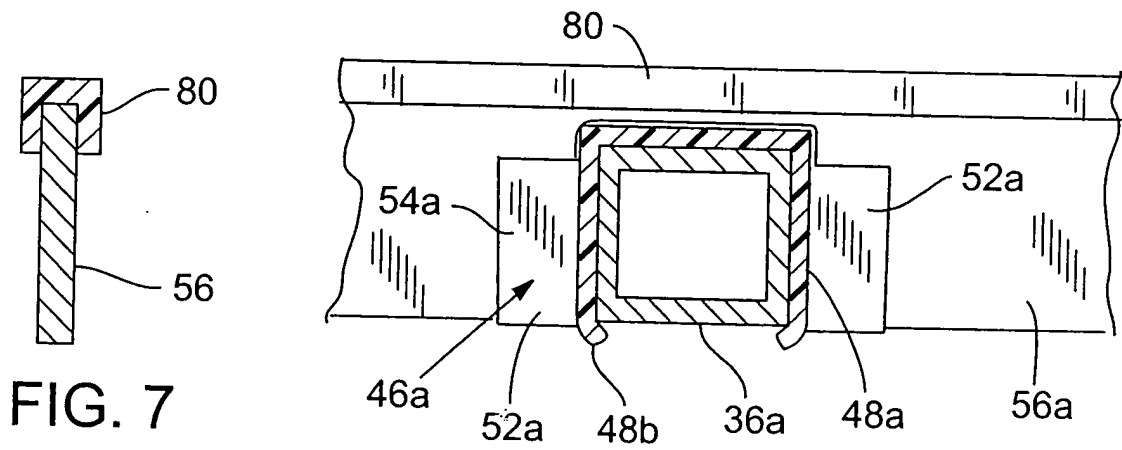
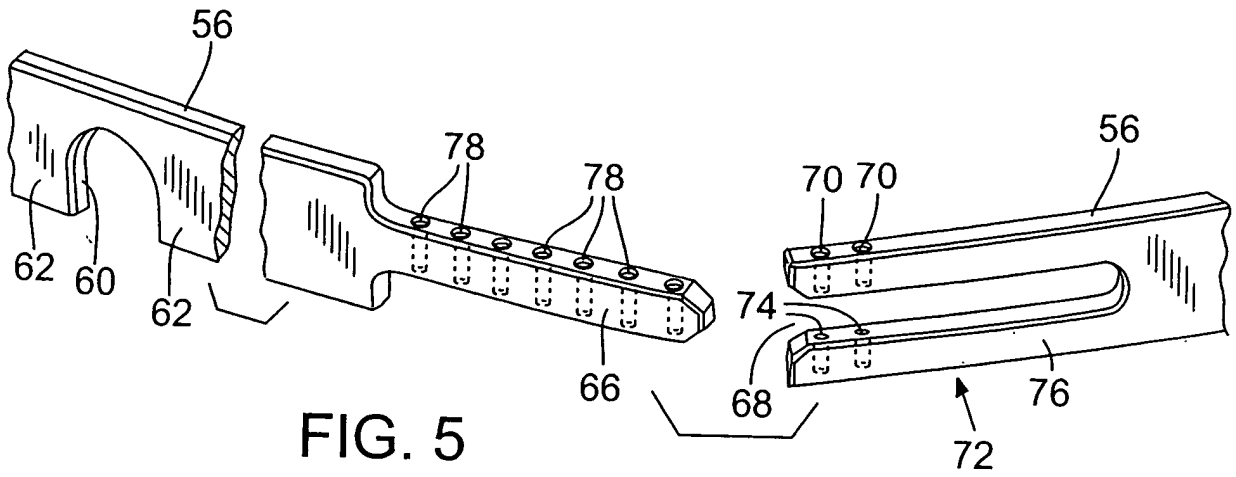


FIG. 4



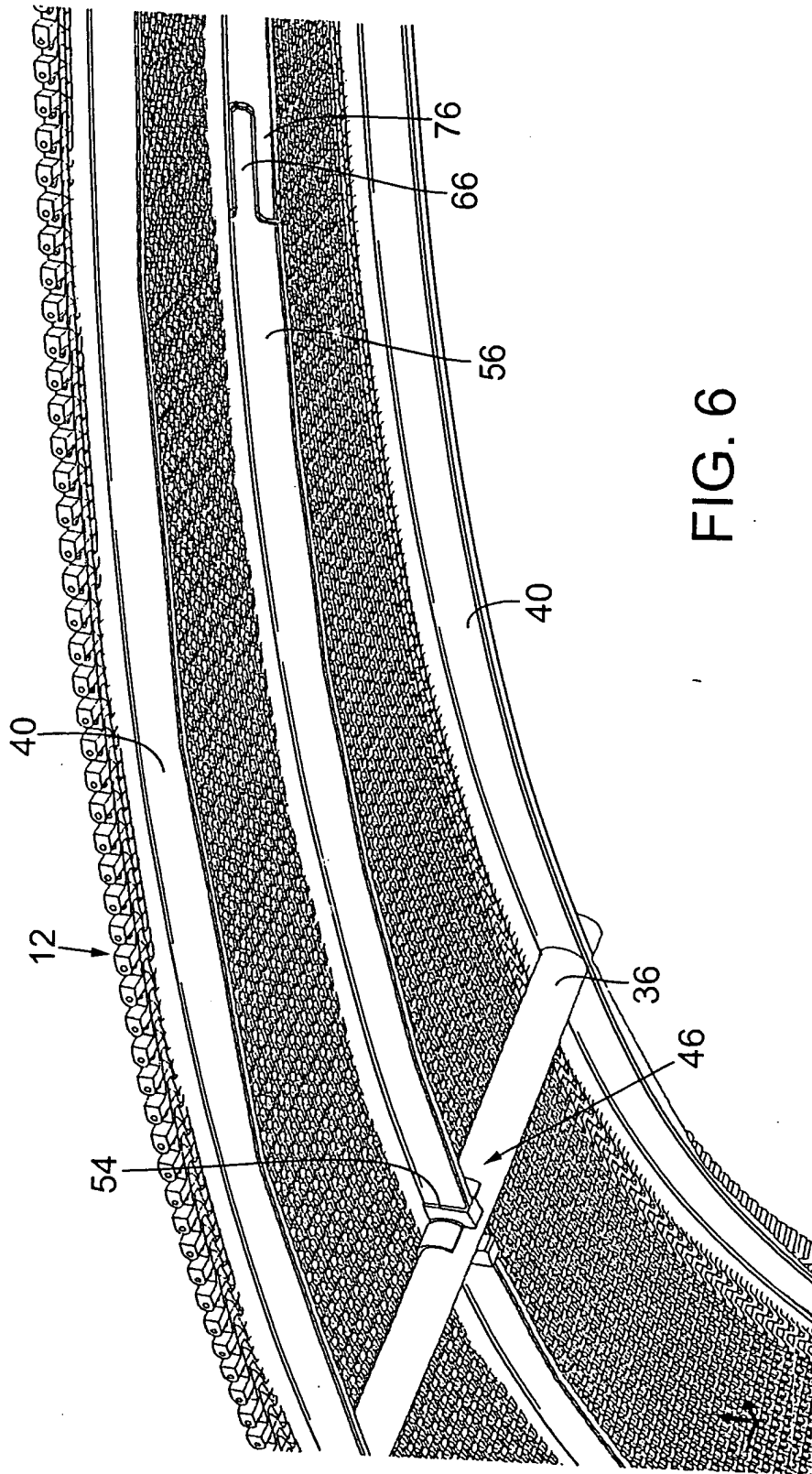
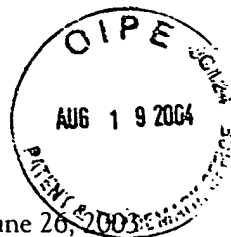


FIG. 6



Received in the U.S. Patent and Trademark Office in the application  
of James J. Harrison et al.:

- ⇒ Submission of Formal Drawings
- ⇒ 4 Sheets of Drawings



Application No.: 10/607,126

Filed: June 26, 2003

For: ADDITION OF INTERMEDIATE SUPPORTS FOR  
SPIRAL CONVEYORS

File No.: 661P

Date: August 14, 2004





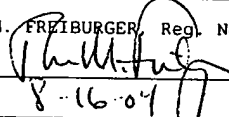
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of ) Examiner: Douglas A Hess  
James J. Harrison et al. )  
Serial No. 10/607,126 ) Group Art Unit: 3651  
Filed: June 26, 2003 ) File No. 661P  
For: ADDITION OF INTERMEDIATE ) Tiburon, California  
SUPPORTS FOR SPIRAL )  
CONVEYORS )

Hon. Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313

Sir:

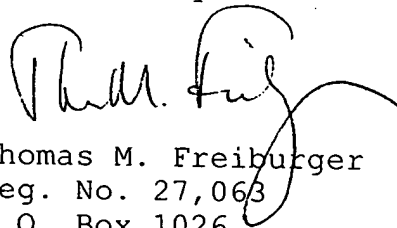
I HEREBY CERTIFY THAT THIS CORRESPONDENCE  
IS BEING DEPOSITED WITH THE UNITED STATES  
POSTAL SERVICE AS FIRST CLASS MAIL IN AN  
ENVELOPE ADDRESSED TO: COMMISSIONER OF  
PATENTS AND TRADEMARKS, ALEXANDRIA,  
VIRGINIA 22313

ON 8-16-04  
THOMAS M. FREIBURGER, Reg. No. 27,063  
SIGNED   
DATE 8-16-04

SUBMISSION OF FORMAL DRAWINGS

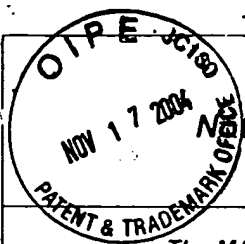
Enclosed is one set of four sheets of formal drawings for  
this patent application. All objections of the PTO have been  
corrected.

Respectfully submitted,



Thomas M. Freiburger  
Reg. No. 27,063  
P.O. Box 1026  
Tiburon, California 94920  
(415) 435-0240

Date: August 16, 2004



# Notice of Allowability

Application No.

10/607,126

Examiner

Douglas A Hess

Applicant(s)

HARRISON ET AL.

Art Unit

3651

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to filing of 6-26-03.
2. ☒ The allowed claim(s) is/are 1-22.
3. ☐ The drawings filed on \_\_\_\_\_ are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All b) ☐ Some\* c) ☐ None of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

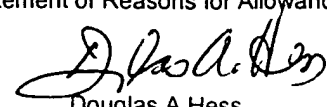
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☒ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
  - (a) ☒ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
    - 1) ☒ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

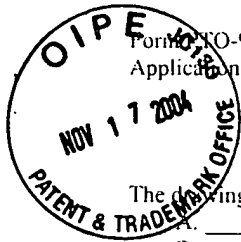
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

## Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date 6/26/03
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_\_
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

  
Douglas A Hess  
Primary Examiner  
Art Unit: 3651

5-6-04



## NOTICE OF DRAFTSPERSON'S PATENT DRAWING REVIEW

The drawing(s) filed (insert date) \_\_\_\_\_ are:

- A. \_\_\_\_\_ approved by the Draftsperson under 37 CFR 1.84 or 1.152.  
B. \_\_\_\_\_ objected to by the Draftsperson under 37 CFR 1.84 or 1.152 for the reasons indicated below. Corrected drawings are required.

1. **DRAWINGS.** 37 CFR 1.84(a): Acceptable categories of drawings: Black ink or Color (3 sets required).

\_\_\_\_ Color drawings are not acceptable until petition is granted. Fig(s) \_\_\_\_\_  
\_\_\_\_ Pencil and non black ink not permitted. Fig(s) \_\_\_\_\_

2. **PHOTOGRAPHS.** 37 CFR 1.84(b)

\_\_\_\_ 1 full-tone set is required. Fig(s) \_\_\_\_\_  
\_\_\_\_ Photographs may not be mounted. 37 CFR 1.84(e)  
\_\_\_\_ Photographs must meet paper size requirements of 37 CFR 1.84(f). Fig(s) \_\_\_\_\_  
\_\_\_\_ Poor quality (half-tone). Fig(s) \_\_\_\_\_

3. **TYPE OF PAPER.** 37 CFR 1.84(c)

\_\_\_\_ Paper not flexible, strong, white, and durable.  
Fig(s) \_\_\_\_\_  
\_\_\_\_ Erasures, alterations, overwritings, interlineations, folds, copy machine marks not accepted.  
Fig(s) \_\_\_\_\_

4. **SIZE OF PAPER.** 37 CFR 1.84(f): Acceptable sizes:

21.0 cm by 29.7 cm (DIN size A4) or  
21.6 cm by 27.9 cm (8 1/2 x 11 inches)  
\_\_\_\_ All drawing sheets not the same size.  
Sheet(s) \_\_\_\_\_

\_\_\_\_ Drawing sheets not an acceptable size. Fig(s) \_\_\_\_\_

5. **MARGINS.** 37 CFR 1.84(g): Acceptable margins:

Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm  
\_\_\_\_ Margins not acceptable. Fig(s) \_\_\_\_\_

\_\_\_\_ Top (T) \_\_\_\_\_ Left (L)  
\_\_\_\_ Right (R) \_\_\_\_\_ Bottom (B)

6. **VIEWS.** 37 CFR 1.84(h)

REMINDER: Specification may require revision to correspond to drawing changes, e.g., if Fig. 1 is changed to Fig. 1A, Fig. 1B and Fig. 1C, etc., the specification, at the Brief Description of the Drawings, must likewise be changed.

\_\_\_\_ Views not labeled separately or properly.  
Fig(s) \_\_\_\_\_

7. **SECTIONAL VIEWS.** 37 CFR 1.84(h)(3)

\_\_\_\_ Sectional designation should be noted with Arabic or Roman numbers. Fig(s) \_\_\_\_\_

8. **ARRANGEMENT OF VIEWS.** 37 CFR 1.84(i)

\_\_\_\_ Words do not appear on a horizontal, left-to-right fashion when page is either upright or turned so that the top becomes the right side, except for graphs. Fig(s) \_\_\_\_\_

9. **SCALE.** 37 CFR 1.84(k)

\_\_\_\_ Scale not large enough to show mechanism without crowding when drawing is reduced in size to two-thirds in reproduction.  
Fig(s) \_\_\_\_\_

10. **CHARACTER OF LINES, NUMBERS, & LETTERS.** 37 CFR 1.84(l)

☒ Lines, numbers & letters not uniformly thick and well defined, clean, durable, and black (poor line quality). Fig(s) 1-8

11. **SHADING.** 37 CFR 1.84(m)

\_\_\_\_ Solid black areas pale. Fig(s) \_\_\_\_\_  
\_\_\_\_ Solid black shading not permitted. Fig(s) \_\_\_\_\_

12. **NUMBERS, LETTERS, & REFERENCE CHARACTERS.** 37 CFR 1.84(p)

☒ Numbers and reference characters not plain and legible. Fig(s) 1-8

☒ Figure legends are poor. Fig(s) 1-8  
\_\_\_\_ Numbers and reference characters not oriented in the same direction as the view. 37 CFR 1.84(p)(1)  
Fig(s) \_\_\_\_\_

\_\_\_\_ English alphabet not used. 37 CFR 1.84(p)(2)  
Fig(s) \_\_\_\_\_

☒ Numbers, letters and reference characters must be at least 32 cm (1/8 inch) in height. 37 CFR 1.84(p)(3). Fig(s) 1-8

13. **LEAD LINES.** 37 CFR 1.84(q)

\_\_\_\_ Lead lines missing. Fig(s) \_\_\_\_\_

14. **NUMBERING OF SHEETS OF DRAWINGS.** 37 CFR 1.84(t)

\_\_\_\_ Sheets not numbered consecutively, and in Arabic numerals beginning with number 1. Sheet(s) \_\_\_\_\_

15. **NUMBERING OF VIEWS.** 37 CFR 1.84(u)

\_\_\_\_ Views not numbered consecutively, and in Arabic numerals, beginning with number 1. Fig(s) \_\_\_\_\_

16. **DESIGN DRAWINGS.** 37 CFR 1.152

\_\_\_\_ Surface shading shown not appropriate.  
Fig(s) \_\_\_\_\_  
\_\_\_\_ Solid black surface shading is not permitted except when used to represent the color black as well as color contrast. Fig(s) \_\_\_\_\_

COMMENTS:

Reviewer Tamy

If you have questions, call (703) 305-8404.

Date 5/6/04Attachment to Paper No. 05/06/04